

What is claimed is:

1. A play audio module configured to be included in an audio resource function, comprising:
 - an audio play process operable to request a decomposed media gateway to
- 5 play an audio stream in response to a received signal, wherein the audio play is altered based on at least one signal traveling between the play audio module and the decomposed media gateway and a resultant play is analyzed as to a reason it terminated.
- 10 2. A play audio module as defined in claim 1, further comprising a volume adjust process operable to change a volume of the audio stream.
- 15 3. A play audio module as defined in claim 1, further comprising a play pause and resume process operable to pause audio play in response to a play pause request and to thereafter resume the audio play in response to a resume play request.
4. A play audio module as defined in claim 1, further comprising a jump forward process operable to jump forward to a specified position in the audio stream and a jump backward process operable to jump backward to a specified position in the audio stream.
- 20 5. A play audio module as defined in claim 1, further comprising a coder process operable to allow the decomposed media gateway to specify or determine the coder types supported thereby.
6. A play audio module as defined in claim 1, further comprising a play analysis process operable to determine a condition that caused the audio play to stop and communicate the condition to the decomposed media gateway.
7. A play audio module as defined in claim 1, further comprising a text

conversion module operable to generate text-to-speech conforming to the SAPI specification.

8. A record audio module configured to be included in an audio resource function, comprising:

5 an audio record process operable to request a decomposed media gateway to record an audio stream in response to a received signal, wherein media recording is altered based on at least one signal traveling between the record audio module and the decomposed media gateway and a resultant media recording is analyzed as to a reason it terminated.

10 9. A record audio module as defined in claim 8, further comprising a record pause and resume process operable to pause audio record in response to a record pause request and to thereafter resume the audio record in response to a resume record request.

15 10. A record audio module as defined in claim 8, further comprising an append process operable to append a recording to an existing recording.

11. A record audio module as defined in claim 8, further comprising a format specifying process operable to specify the digital encoding format of a recording.

12. A record audio module as defined in claim 8, further comprising a recording location process operable to allow the decomposed media gateway to reference where the recording should be created.

13. A record audio module as defined in claim 8, further comprising a pause compression process (also referred to as a silence compression process) operable to detect and to eliminate periods of speech inactivity from a recording.

14. A record audio module as defined in claim 8, further comprising a record prompt tone generation process operable to generate a prompt tone that is either fixed or configurable.

15. A record audio module as defined in claim 8, further comprising a 5 record analysis process operable to determine the length of audio recorded and to identify a record termination condition that caused a recording operation to stop.

16. A method of playing an audio stream, comprising:
10 providing a play audio module included in an audio resource function that is resident on an audio resource server, said play audio module having a play audio process;

communicating a request signal to the play audio process;
requesting a decomposed media gateway to play an audio stream in response to the request signal communicated to the play audio process;
altering media play based on at least one signal communicated between the 15 play audio module and the decomposed media gateway; and
analyzing a resultant play as to a reason it terminated.

17. A method of playing an audio stream as defined in claim 16, wherein the altering includes providing a volume adjust process and operating the volume adjust process to change the volume of the audio stream.

20 18. A method of playing an audio stream as defined in claim 16, wherein the altering includes providing a play pause and resume process and operating the play pause and resume process to pause audio play in response to a play pause request and to thereafter resume the audio play in response to a resume play request.

19. A method of playing an audio stream as defined in claim 16, wherein the

altering includes providing a jump forward process and operating the jump forward process to jump forward to a specified position in the audio stream and providing a jump backward process and operating the jump backward process to jump backward to a specified position in the audio stream.

5 20. A method of playing an audio stream as defined in claim 16, wherein the altering includes providing a coder process and operating the coder process to specify or determine the coder types supported thereby.

10 21. A method of playing an audio stream as defined in claim 16, wherein the analyzing includes providing a play analysis process and operating to analyze a play signal to determine a condition that caused the audio play to stop and communicate the condition to the decomposed media gateway.

22. A method of playing an audio stream as defined in claim 16, wherein the altering includes providing a text conversion process and operating the text conversion process to generate text-to-speech conforming to the SAPI specification.

15 23. A method of recording an audio stream, comprising:
 providing a record audio module included in an audio resource function that is resident on an audio resource server, said record audio module having a record audio process;

20 communicating a request signal to the record audio process;
 requesting a decomposed media gateway to record an audio stream in response to the request signal communicated to the record audio process;
 altering media record based on at least one signal communicated between the record audio module and the decomposed media gateway; and
 analyzing a resultant recording as to a reason it terminated.

24. A method of recording an audio stream as defined in claim 23, wherein
the altering includes providing a record pause and resume process and operating the
record pause and resume process to pause audio record in response to a record pause
request and to thereafter resume the audio record in response to a resume record
5 request.

25. A method of recording an audio stream as defined in claim 23, wherein
the altering includes providing an append process and operating the append process
to append a recording to an existing recording.

26. A method of recording an audio stream as defined in claim 23, wherein
10 the altering includes providing a format specifying process and operating the format
specifying process to specify the digital encoding format of a recording.

27. A method of recording an audio stream as defined in claim 23, wherein
the altering includes providing a recording location process and operating the
recording location process to reference where the recording should be created.

15 28. A method of recording an audio stream as defined in claim 23, wherein
the altering includes providing a pause compression process and operating the pause
compression process to eliminate periods of speech inactivity from a recording.

29. A method of recording an audio stream as defined in claim 23, wherein
the altering includes providing a record prompt tone generation process and
20 operating the record prompt tone generation process to generate a prompt tone that is
either fixed or configurable.

30. A method of recording an audio stream as defined in claim 23, wherein
the analyzing includes providing a record analysis process and operating the record
analysis process to determine the length of audio recorded.

31. A method of recording an audio stream as defined in claim 23, wherein the analyzing includes providing a record analysis process and operating the record analysis process to identify a record termination condition that caused a recording operation to stop.